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Correspondence from particular farmers, giving the results of their experience, is solicited. Letters should be signed with the writer's real name, in full, which will be printed or not, at the writer's option.

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AGRICULTURAL.

How Much Land for a Cow?

In nothing connected with the dairy business is there a wider difference between old and new methods than in the kind of feed given cows, and the amount of land that is required for their support. As we remarked last week, the original dairy regions were in localities where supplies of never-failing water abounded, and where grass was the main dependence. Grass pastured in summer, and mown for hay as winter feed, is altogether too costly for feed and land to be afforded now. Besides meadow hay, either natural grass or timothy is a much poorer winter feed for cows than corn stalks, especially if the soft corn and rubbers are fed with the stalks. This is probably the best way to use rubbers and soft corn. The cow, being a ruminant, will chew again the corn after it has come up from the first stomach, and get much nourishment from the cob. If some of the grains remain undigested and pass through the rectum, some store pigs will root over the cow's droppings and leave not a grain to waste. This will not affect the pork, as the pig will not be bothered for months after, and the sweetness of its flesh is altogether dependent on its feed during the last months of fattening.

With good, rich land kept always in grass, two, three and even four acres will be needed to winter and summer a cow. Where the land is rocky or poor it may require five acres to a cow, besides buying some grain or meal as extra feed in winter. It is always true economy to purchase bran, wheat middlings or grain meal to feed to cows that have a hay diet in winter. It makes the hay go farther, and whenever a farmer makes close calculations he finds that for milk production at least, hay is the most expensive feed he can purchase. One of the cheapest of all cow feeds is linseed and cotton-seed meal, though neither can be fed in large amounts nor without being mixed with chopped hay or straw, to give more bulk with the same nutrition. Even corn and oats should be ground and mixed with cut hay or straw to get the best results from feeding them. If the whole mass is well steamed and a little salt added, it makes the cow eat it with avidity, and the moisture from steaming the food greatly stimulates the secretion of milk. In the writer's boyhood dry hay was the staple food for cows in winter, though much of it in western New York was clover hay, and was only given sparingly, with dried corn fodder as a side ration.

With the introduction of the silo to keep green cornstalks in succulent condition for winter feed there came a revolution in the feeding of cows. It enormously increased the amount of fodder that could be produced on an acre. Instead of taking two, three or four acres or more to keep a cow through the year, as with grass, a cow might be kept on an acre or perhaps three cows on two acres if some winter crop can be grown, like rye, to be cut and fed in the spring long before the grain begins to head out. Fifteen, twenty or more tons of corn fodder can be grown per acre if the corn is fed green. Twenty and even 25 tons of large Southern corn can be grown per acre, which, made into ensilage, would make a daily ration of 100 pounds or more of ensilage per day for 365 days in the year. This is more than any cow should or could eat. If given without some dry hay or straw, and some grain, also, if the ensilage is not very well matured before being put up, the cow will have an immense amount of watery excrement, and though for a time she may give a large mass of milk, it will be rich milk, except as the cow takes the fat off her body and runs it into the milk pail.

Fifty pounds of ensilage per day is, except for short periods, all that can be profitably fed to cows giving milk. The remainder of the food required should be dry hay, clover, if possible, and some boughten

grains. Though these require the expenditure of money from the farm, they pay better than trying to grow on the farm everything that has to be fed, as used to be the motto with old-fashioned farmers. It is only since Eastern farmers learned to supplement their home grown rations with cheap Western grain that they have been able to produce milk and butter as cheaply as the West. We do not know as we could produce in competition, only because in the prairie States the water is bad, and the milk and butter made from it is not quite up to the average of that made in the best dairy districts of New England and New York State.

Feeding succulent food instead of dry hay and dried corn fodder in winter has greatly helped to develop the milk specialties of our leading dairy breeds. All of these originated in mild and moist climates, where succulent and nutritious food is plentiful at all seasons. The Channel Island cow, the Friesian-Holstein, and also the Ayrshire cattle originated not far from salt water, which is deep enough to keep open in winter. In an arid country the best milk-producing breeds rapidly deteriorate in dairy qualities, where there are plenty of springs of water so as to keep the air moist, the milk-producing breeds can be most profitably produced, because other things being equal, they can be bred to produce more milk and butter in each successive generation than in the one which preceded it. Such producers of dairy stock as are found in New England and New York could not be made profitable in the arid part of the West unless the climate be first changed.

For the reason that so large a part of this country is poorly adapted to either breeding the best cows or feeding them economically, it is unlikely that dairy products, and that also includes the best bred cow, will ever again be so cheap as they are now. Our country is growing in population, and when the mass of workingmen get employment, they will consume more milk, butter and cheese than they have done the past few years of business stagnation. It is the increasing employment and prosperity of workingmen in the Eastern States that make a better market and higher prices for all agricultural products. This year than in 1898 and 1897. We believe that this prosperity will continue, and that after a time the wages of labor will advance to correspond with the increase of living expenses. Land values and labor are the last to rise when good times begin, and they are the first to fall in times of commercial depression. If this country is wisely governed, what proportion of property to our people now have should be continued and increased during the next few years. When the parts of the country unsuited to dairying return to the production of other farm staples, it will increase the value of all dairy products, not only here, but in Europe as well, and the questions as to the cheaper keeping of cows and the more economical production of all dairy products will be among the most important that farmers can discuss.

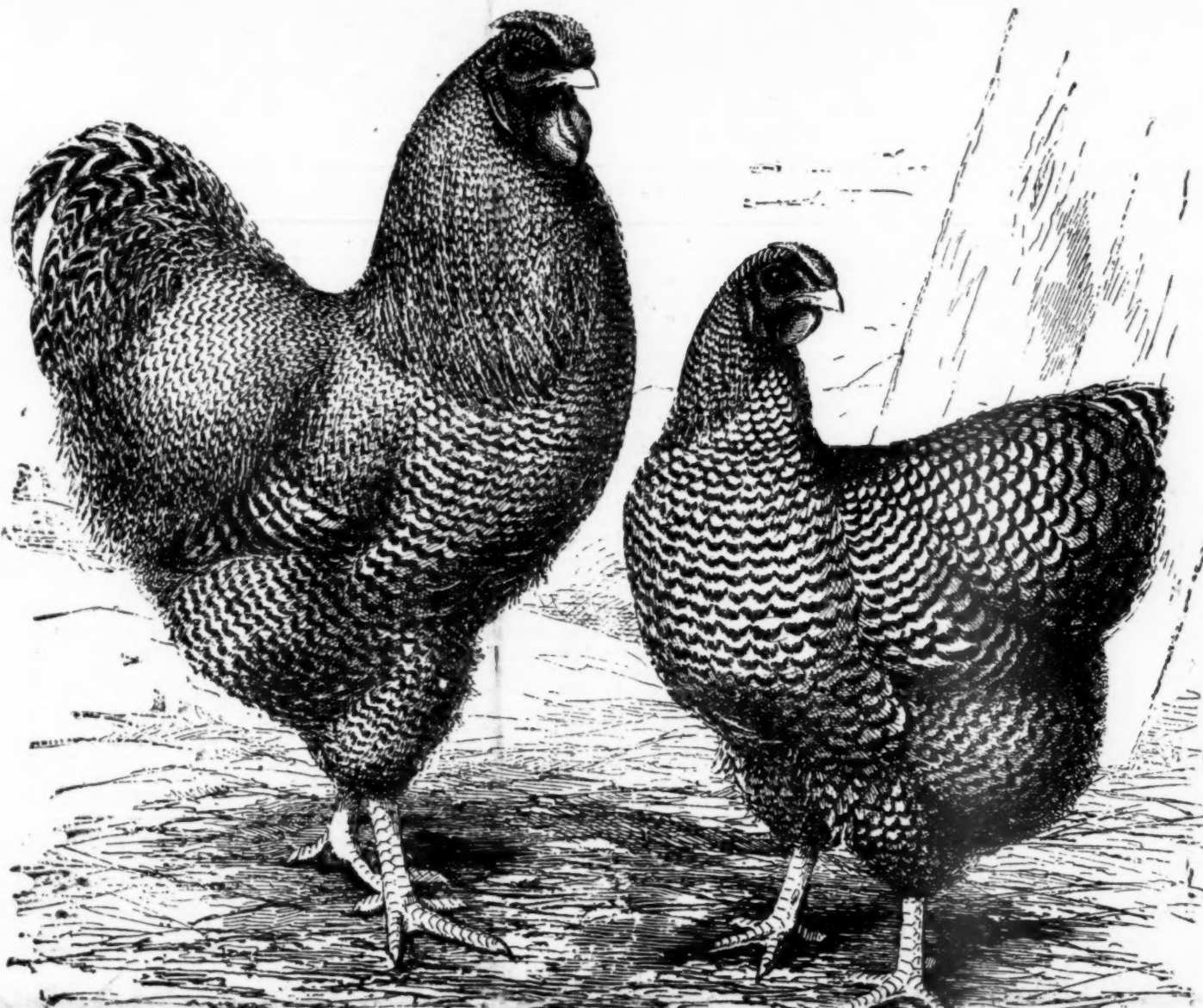
Farm Hints for October.

APPLE PICKING AND PACKING.

This month has been called the harvest month, though the farmer and gardener who is up to date in his management usually manages to have something to harvest almost every month in the year, even to an apple in winter, and perhaps some crops grown under glass as well. But as most of the winter fruit and vegetables are harvested this month, we may still continue to give it the familiar title. Unfortunately not many farmers will have a large task in harvesting their winter apples, at least not many in the Eastern States; all the more reason they have for trying to manage to obtain all they can for the few apples they do have. Careful picking, with more careful sorting and packing, are all that they can do. It is poor policy, because apples are not plenty, to put everything into the barrels for No. 1 fruit which can possibly be made to pass as such, and some which would not pass in an ordinary fruit year. A day around our market should convince any one of the folly of this policy. A barrel of good, smooth, sound apples, free from defects, brings nearly the price of two barrels of inferior apples, and the price of the latter is often so low that the farmer would take about one barrel of poor fruit out of every five they send to market, the four barrels remaining would sell for more than the five do now. Packing so that they will not bruise in transportation, and using only clean-looking barrels or boxes, adds to the selling price, and we are glad to notice that much of the new fruit now comes in bushel boxes, in which the quality of the fruit can be easily ascertained.

MANURING AND PRUNING.

Apple picking is not the only fall work to be done in the orchard. A dressing with manure at this time does not stimulate a rank and tender growth of wood to be winter-killed, and in the spring, unless the manure contains too much nitrogen, its strength will go to the perfecting of the fruit, as the buds are now formed for the next season's crop. Pruning may be done this month, or at any time when there is no frost in the wood. Do not prune too heavily, and if pruning has been neglected in years past, all the more reason for going lightly this year, lest the letting in too much sunlight, and the forcing all the sap next spring into too few branches should be disastrous. Cut out dead wood, and all branches that are crossing and chafing each other. Search for borers at the trunk of each tree, near the ground, and kill them, and there may be a better harvest next year.



PLYMOUTH ROCKS.

POTATOES AND OTHER ROOTS.

The late potatoes, beets, carrots and nearly all the later garden vegetables will be ready for the harvest this month excepting the late turnips, parsnips and the celery, which may be kept in the ground a month later. If apples were carefully associated because they are scarce, and good ones bring a good price, potatoes should be graded just as carefully because they are plenty, and inferior ones will scarcely sell for as much as they are worth to feed to the young stock at home. Onions should be placed under cover where they will be dry and not in danger of freezing, as soon as the tops are well enough dried down to admit of turning, but should not be harvested or piled deeply until they are fully dry. Beets and carrots will keep best in a dark and cool place, as do most of roots. If they are to be kept for sale later in the season, remember that this is important, and as there will be a probable shrinkage of from 10 to 20 per cent. in weight, it may be well to consider whether the advance price during the winter will repay this loss. Banking of winter celery should begin early this month, and the early varieties like the Paris Golden will be fit to put in the cellar or pit before the end of the month, that it may blanch for the Thanksgiving and Christmas trade. The Boston Market celery was supposed to endure a temperature of 10° below freezing after it was banked, but the early varieties will not, and we do not think the French will. It certainly is not improved by it.

CARE OF ANIMALS.

The fall rains have improved the pasturage in many sections, and while the new grass is growing there may be some good feed, but do not feed too closely or too long. The frobbled grass has but little nutrition in it, and the cows will do better upon hay and corn stover than upon the gleanings of the pastures after a heavy frost comes. Nights are cold enough this month so that the animals will thrive better for being in the barn than they would in the yard. Any animals that are to go to the slaughter this fall or winter should be in warm quarters at night and in cold, stormy days, and should have liberal feed, be they beef, sheep or swine. They can easily digest much more heavy food now than they could have done in August, while later on, in colder weather, it will take more food to make a pound of flesh, and enough more to make considerable difference in the cost of feeding.

THE CORN CROP.

In view of the reports we are having from the vast cornfields of the West, it seems as though our little crop in New England was scarcely worth mentioning, yet with our larger yield per acre, the higher prices here and the usefulness of the stover as a forage crop, it may be that the crop is as important to us as it is to those whose fields are measured by square miles instead of acres. Those who have silos may find it better to turn to stalks and ears through the cutter and make silage of the whole, but we have a liking for good corn meal for the fattening stock, and sound corn for the chickens and turkeys, and we think we should rob the silo of the larger part of the best ears. Without a silo we would husk the good ears and bind the stover in bundles after husking to be run through the feed cutter this winter, and after moistening and mixing with a little grain, to be used as food for the milk cows.

PREPARE FOR WINTER.

During the summer it often happens that windows get broken, doors and gates off the hinges, and other things generally a little out of repair, and it seems scarcely worth while to leave the pressing work of the season to get them up at once, but November winds may do greater damage, and the winter's snow must be kept out of the buildings, and this is not too early to begin to make everything snug. When it grows cold, or snow, will be a bad time to do this work. The householder especially will need looking after for a cold wind blowing upon the feet when on the roof, or the ground in the house wet with drifting rain or snow, means a check to egg production, and possibly a lot of fowl sick and dying with roup. Do not neglect this. If the henhouses are not warm enough, a lining of stout manila paper, or two or three coats of any paper, pasted on the walls will do much to keep the cold, especially cold winds.

FALL MANURING.

Beds of asparagus, rhubarb and the small roots should have manure put on them this month or next. They are all unwilling to yield good crops unless they are liberally fed, and the manure applied now will cause them to be making root growth, which will produce much better results in next year's crops than they would give if the manuring was deferred until spring. We also like to topdress grass fields in the fall as early as we can, if we have well-rotted barnyard manure that we can use for that purpose, or even coarser manure, if we have time later on to harrow or brush it over to break the lumps and spread it evenly.

The Advance in Hogs and Cattle.

The prediction made last spring and summer that there would soon be a dearth of cattle and swine in this country seems to be realized if the advance prices of meats are any indication. It is not always that advances in the retail price of meats benefit the cattlemen and farmers, but they should if matters are rightly regulated. The producers of cattle should refuse to sell if they cannot share in the advance in price, especially in a year like this, when there are none too many in the country. In cattle raising for market, breeders should keep in mind the fact that they practically control prices if they but co-operate. The small breeders are, of course, at the mercy of the large ones, and must let their cattle go for the prices that the large ones sell. The breeder who raises a thousand head of cattle can, on general principle, sell his cattle at less per pound and make a profit than the farmer who raises a dozen. If one understands his business, it is easier to conduct a large cattle enterprise than a small one, and profits are correspondingly more satisfactory. Quick profits, and many of them, should be the motto of the breeders today. Good times may not last long, but while they do, we should make the most of them. Breed animals rapidly, and fatten them for the market in the very shortest time possible. Then when the trade barometer indicates a falling off in demand, and the supply in the country is large, sell quickly, even at a little less than you anticipated. Do not delude yourself in possession of large herds when the market is falling off.

As to the matter of swine, they can be raised and fattened quicker than cattle,

We want first animals that will produce large litters of pigs, the larger the better. We are not figuring on fine points and pedigrees just now. It is our aim to fill a present need of the market with viable stock. After the pigs are here it is the question of what food will make them grow and mature the quickest. From the first the animals should be kept growing daily and hourly. Their growth should be forced as much as possible consistent with their health. It requires more costly food to do this than by the slow growth, but in the end it may mean many dollars in our pockets. Certainly we must take the risk. We farmers do not always take sufficient risk. We see the opportunity, but let it slip by for fear we may lose money. The successful business man takes these little risks and makes the most of his opportunities. Sometimes he may lose by it, but more often he gains, and gains heavily. That is what breeders should do just now, strike while the iron is hot.

Olio.

Live Stock Notes.

It has sometimes happened that the common, practical farmer, almost without the education acquired by study of books, has made a discovery that scientific men have long been looking for, and looking in vain. At first it was customary to ridicule the idea of an uneducated man solving a problem that had puzzled the learned, but it has been so often proved that the practical man was right, that now they are more careful to investigate before sneering at him. The fact is, there are two ways of trying to solve a question. The scientific way has often been to elaborate a theory, and work upon a supposition that it was correct, to try to make the facts so fit as to prove it to be true. This has failed quite as many times as it has succeeded, and we might name a few instances, but as they are not all connected with live stock matters we will omit them now.

The farmer notices the facts as they come under his observation, and from them he may reach his theory, though he may not be able to follow it so closely along the whole line that he can demonstrate it as one would a mathematical problem. We are led to this train of thought by seeing something about what is sometimes called the Texas fever, because it usually originated among Northern cattle, which had mingled with cattle from that State, or which were put in fields where such cattle had been within a short time. At first doctors ridiculed the idea that cattle which were apparently healthy could infect others while manifesting no disease themselves then or later on. Farmers asserted it to be so, and also declared that a barbed wire fence was often sufficient protection against it. This seemed to be still more ridiculous, and when the farmers charged the cattle ticks which were upon Southern cattle as being the means of spreading the disease, it was pronounced the climax of absurdity.

But the farmers have been proven to be in the right in every particular. The scientists of our United States Department of Agriculture, when they had exhausted all of their own theories without proving anything, at last decided to study the matter from the standpoint of the farmers' discovery. They found that the fever was caused by a parasite so small as to be detected only

by a microscope of considerable power, which could and did destroy the red corpuscles of the blood. They found that a tick from an infected animal or from a Southern-bred animal would in some way introduce that parasite into a healthy animal if it were placed on one.

When this was learned it was not difficult to see that the barbed-wire fence and the tall grass beneath it might prevent the tick from going from one animal to another, unless as rains might wash them through the grass. It was then possible to believe that the Southern-bred cattle which had the same ticks upon them were not subject to the fever, because they had in some way become immune to it, yet could infect others whenever the tick could get on them.

It has now been shown that the parasite in the blood passes through the egg of the mature tick into the young tick, and is by its bite transferred to another animal, which accounts for the long period which sometimes elapsed between exposure to the infection and the development of the disease. Many preparations have been tried to be used as a dip or wash to destroy these ticks, and with little or no success, until it was found that a dip in kerosene oil was sure death to them, without injury to the animal they were on, but that it was necessary to repeat it in a few days, to destroy those hatched out after the first dipping.

With this knowledge it becomes easy to prevent this fever from affecting Northern cattle every time Texas animals come among them, as it is only necessary to quarantine them until they have been given their regular dipplings. And the scientific men are a little inclined to take all the credit for at last being able to make use of the facts that the farmers knew years ago.

A writer in the Agricultural Epitome says that colic, hoven or bloat, which is sometimes caused by eating green clover when it is wet with dew, and which may result from any food fermenting in the stomach before it can be digested, can be easily cured without puncturing the animal, as is often done. All that is needed is to get a piece of round wood, like a broom handle or about as large, and about 12 or 14 inches long, and fasten it in the animal's mouth, so that it will keep working at it with the tongue. This tongue movement soon pumps out all the extra gas which the fermentation causes in the first stomach. He claims to have been curing cattle in this way for the last five years, and has not lost a case yet. Another writer claims the same method equally good with sheep as with cattle.

This is an old remedy for choking cattle, and often has proved successful, as the outgoing gas, or the effort to spit out the gas, will cause the obstruction to come up where it can be removed. Put the stick in like a bit, drawing up as far as possible, and by a rope at each end brought over the head, fasten it securely. If it will cure hoven it is well worth knowing, and I am worthy of a trial at any rate.

Since the practice of washing the sheep before shearing is growing more common, we would urge earlier shearing. We never liked the idea of washing the wool on the sheep's back, and we have submitted to it out in price on the fleece, when we would not wash them, although sure that our fleeces from sheep that run only in a grass pasture and stopped at night in a shed well bedded with straw, were cleaner than those

from some of the sheep that were washed, and then allowed to lie in filth in the shed and yard, and sandbanks in the pastures, during the two or three weeks they were supposed to be getting dry enough to shear. Just fancy having to wear a heavy woolen coat, wet to the skin, for two or three weeks. If the sheep did not get colds and coughs and die as a result of such treatment, we believe they lost vitality and strength as a result, and did not give as much milk for the lambs as they should have done.

City People on a Farm.

Another year has been added to the experience of the city mechanic out of a job who moves into the country to begin farming on a small scale, whom The Sun has already told something. Said he:

"Oh, yes, we still live. I have gained 30 pounds, we're another little boy, we're all as hearty as bucks; we haven't turned a gray hair, and I think we're slightly better off than we were last year. Of course, I ain't kicking against the low price of what, because I ain't a wheat farmer. I buy my bread from a baker wagon and get it just as cheap as city people. I did raise a patch of rye, because I like the old style of rye bread."

I'm raising chickens now, paying attention to 'em, and I'm getting eggs to sell. They're doing good all the year. We have another cow, making three, now. I'm a boss milker. I think nothing of taking in \$5 a week for butter and eggs. The work is light and I like it. You see I'm my own boss, all the way through; don't need to rush through life, and wonder whether I'm going to be laid off out of a job next week or month. I just finished putting away 100 bushels of potatoes. I'm not going to sell 'em. They're nice, too nice to give away for 35 cents a bushel. I'll have 60 bushels to sell, at least. You see, I've only got 10 good acres, but you may be sure I make every square foot count. My sweet apple trees hang full. No, I did not sell an apple. Me and my wife and the girls had lots of fun in the afternoon under the shade, picking and slicing apples. You see, we're taking in the sun, and I have a market for them, at a good figure. A man who attends market will take all I got. We boiled 75 pots of apple butter. Our family will need about 20 for the winter and spring, and I will sell the others at about 75 cents a pot. They're big pots, and the butter is fine. Oh, no! no cinnamon or saffron flavor. It's just pure apples and cider."

I raised about 35 bushels of white onions, enough to buy all our winter clothes. I have about 175 heads of nice cabbage. I have plenty of corn to fatten our four nice hogs. Next month I'll cut down a barrel of corn bran. Up in the stable loft on a rye straw bed is where I'll have about 40 bushels of apples for winter stored. Oh, no; we won't half eat all we raised. We'll have lots of pork, vegetable, fruits, and things to sell."

I got clean out of debt this summer. I keep well, and once in a while only am I compelled to hire a little help for the work. I have plenty of hay and enough oats and corn for the stock. I have a \$30 horse, which I use for work and to drive to the store and to town when I want to go. But I keep away from the towns and taverns. I just finished cutting a half acre of seedling tobacco. It did well, but it takes work to keep down the worms. No, the worms don't come out of the ground. A moth fly deposits the nits on the leaves. The worms grow rapidly. I hang the tobacco in the shed loft. A tobacco buyer gets around in December. I don't need to go hunting a buyer. No, I ain't made my money doing rye. It's too early to sell. I'll lay up two barrels and preserve it with salicylic acid. It keeps sweet and pleasant, and is not intoxicating. Nothing better for health. Every night in the winter I eat an apple before going to bed. I'm up every morning at five in summer if it don't rain, and I'm feeling all right. We generally get to bed by nine o'clock. I sleep eight hours on an average."

For breakfast, give me bread and good butter with a thin slice of cold bacon, a bowl of good coffee and plenty of cream, and I'm happy. Of course, I start off with fruit, but I eat that out in the garden. I thrive best on boiled dinners. We get fresh meat from the butcher wagon that passes three times a week. Of course, it takes money to keep up repairs. I worked 23 days for big farmers the past season. When I take up my pay I'll buy lime and fertilizer for my land. Some acres need it badly. You see, if you put nothing on the land, you ain't get much off. I have plenty of turnips and beets for winter. One of my girls is old enough to teach school. I was a delegate in the convention that nominated our county school superintendent, and she may get a school. We can spare her, and she can board at home. It all counts in the treasury. We have got to provide for increased expenses. I want to put up a lot of barbed wire fence, and the price is much higher than last year. I'm glad to hear wages are up in the city and plenty of work. No, I would not think of moving back into town again. By the way, this is the greatest chestnut year on record. Come out in the nutting season. The children say they'll gather enough chestnuts to buy two pairs of nice blankets for winter. That's the way we get along. Lots of fun in it, too. Why, the girls can set rabbit snares, and they're lucky enough at it, too. I'm glad I moved out here. Had I not, I'd have no doubt gone to Manila with the army. By the way, have a Porto Rico cigar? A friend brought home a lot of them for me. I had two little New Yorkers for two weeks who came out with a fresh air fund. They worked in my tobacco patch and did right well. They want to be farmers when they're big. Tomorrow I'll help to take care of teams at a funeral, and the next day I'll be cutting corn. Next day I want to go fishing. — Pennsylvania Cor. New York Sun.

[illegible]

MARKETS.

BOSTON LIVE STOCK MARKET.

Week ending Oct. 11, 1899.
Amount of Stock at Market.
Cattle, Sheep, Hogs, Pigs, etc.
This week, 4214 8101 27,556 2073
Last week, 3540 8080 140 31,068 2186

Values on Northern Cattle, etc.
Head, tail and feet, 1st quality, \$5.00; 2nd, \$4.50; 3rd, \$4.00; 4th, \$3.50; 5th, \$3.00; 6th, \$2.50; 7th, \$2.00; 8th, \$1.50; 9th, \$1.00; 10th, \$0.50; 11th, \$0.25; 12th, \$0.10; 13th, \$0.05; 14th, \$0.02; 15th, \$0.01.

Sheep.—This young cattle for farmers: yearlings, \$1.00; two-year-olds, \$1.25; three-year-olds, \$1.50; four-year-olds, \$1.75; five-year-olds, \$2.00; six-year-olds, \$2.25; seven-year-olds, \$2.50; eight-year-olds, \$2.75; nine-year-olds, \$3.00; ten-year-olds, \$3.25; eleven-year-olds, \$3.50; twelve-year-olds, \$3.75; thirteen-year-olds, \$4.00; fourteen-year-olds, \$4.25; fifteen-year-olds, \$4.50; sixteen-year-olds, \$4.75; seventeen-year-olds, \$5.00; eighteen-year-olds, \$5.25; nineteen-year-olds, \$5.50; twenty-year-olds, \$5.75; twenty-one-year-olds, \$6.00; twenty-two-year-olds, \$6.25; twenty-three-year-olds, \$6.50; twenty-four-year-olds, \$6.75; twenty-five-year-olds, \$7.00; twenty-six-year-olds, \$7.25; twenty-seven-year-olds, \$7.50; twenty-eight-year-olds, \$7.75; twenty-nine-year-olds, \$8.00; thirty-year-olds, \$8.25; thirty-one-year-olds, \$8.50; thirty-two-year-olds, \$8.75; thirty-three-year-olds, \$9.00; thirty-four-year-olds, \$9.25; thirty-five-year-olds, \$9.50; thirty-six-year-olds, \$9.75; thirty-seven-year-olds, \$10.00; thirty-eight-year-olds, \$10.25; thirty-nine-year-olds, \$10.50; forty-year-olds, \$10.75; forty-one-year-olds, \$11.00; forty-two-year-olds, \$11.25; forty-three-year-olds, \$11.50; forty-four-year-olds, \$11.75; forty-five-year-olds, \$12.00; forty-six-year-olds, \$12.25; forty-seven-year-olds, \$12.50; forty-eight-year-olds, \$12.75; forty-nine-year-olds, \$13.00; fifty-year-olds, \$13.25; fifty-one-year-olds, \$13.50; fifty-two-year-olds, \$13.75; fifty-three-year-olds, \$14.00; fifty-four-year-olds, \$14.25; fifty-five-year-olds, \$14.50; fifty-six-year-olds, \$14.75; fifty-seven-year-olds, \$15.00; fifty-eight-year-olds, \$15.25; fifty-nine-year-olds, \$15.50; sixty-year-olds, \$15.75; sixty-one-year-olds, \$16.00; sixty-two-year-olds, \$16.25; sixty-three-year-olds, \$16.50; sixty-four-year-olds, \$16.75; sixty-five-year-olds, \$17.00; sixty-six-year-olds, \$17.25; sixty-seven-year-olds, \$17.50; sixty-eight-year-olds, \$17.75; sixty-nine-year-olds, \$18.00; seventy-year-olds, \$18.25; seventy-one-year-olds, \$18.50; seventy-two-year-olds, \$18.75; seventy-three-year-olds, \$19.00; seventy-four-year-olds, \$19.25; seventy-five-year-olds, \$19.50; seventy-six-year-olds, \$19.75; seventy-seven-year-olds, \$20.00; seventy-eight-year-olds, \$20.25; seventy-nine-year-olds, \$20.50; eighty-year-olds, \$20.75; eighty-one-year-olds, \$21.00; eighty-two-year-olds, \$21.25; eighty-three-year-olds, \$21.50; eighty-four-year-olds, \$21.75; eighty-five-year-olds, \$22.00; eighty-six-year-olds, \$22.25; eighty-seven-year-olds, \$22.50; eighty-eight-year-olds, \$22.75; eighty-nine-year-olds, \$23.00; ninety-year-olds, \$23.25; ninety-one-year-olds, \$23.50; ninety-two-year-olds, \$23.75; ninety-three-year-olds, \$24.00; ninety-four-year-olds, \$24.25; ninety-five-year-olds, \$24.50; ninety-six-year-olds, \$24.75; ninety-seven-year-olds, \$25.00; ninety-eight-year-olds, \$25.25; ninety-nine-year-olds, \$25.50; one hundred-year-olds, \$25.75; one hundred one-year-olds, \$26.00; one hundred two-year-olds, \$26.25; one hundred three-year-olds, \$26.50; one hundred four-year-olds, \$26.75; one hundred five-year-olds, \$27.00; one hundred six-year-olds, \$27.25; one hundred seven-year-olds, \$27.50; one hundred eight-year-olds, \$27.75; one hundred nine-year-olds, \$28.00; one hundred ten-year-olds, \$28.25; one hundred eleven-year-olds, \$28.50; one hundred twelve-year-olds, \$28.75; one hundred thirteen-year-olds, \$29.00; one hundred fourteen-year-olds, \$29.25; one hundred fifteen-year-olds, \$29.50; one hundred sixteen-year-olds, \$29.75; one hundred seventeen-year-olds, \$30.00; one hundred eighteen-year-olds, \$30.25; one hundred nineteen-year-olds, \$30.50; one hundred twenty-year-olds, \$30.75; one hundred twenty one-year-olds, \$31.00; one hundred twenty two-year-olds, \$31.25; one hundred twenty three-year-olds, \$31.50; one hundred twenty four-year-olds, \$31.75; one hundred twenty five-year-olds, \$32.00; one hundred twenty six-year-olds, \$32.25; one hundred twenty seven-year-olds, \$32.50; one hundred twenty eight-year-olds, \$32.75; one hundred twenty nine-year-olds, \$33.00; one hundred thirty-year-olds, \$33.25; one hundred thirty one-year-olds, \$33.50; one hundred thirty two-year-olds, \$33.75; one hundred thirty three-year-olds, \$34.00; one hundred thirty four-year-olds, \$34.25; one hundred thirty five-year-olds, \$34.50; one hundred thirty six-year-olds, \$34.75; one hundred thirty seven-year-olds, \$35.00; one hundred thirty eight-year-olds, \$35.25; one hundred thirty nine-year-olds, \$35.50; one hundred forty-year-olds, \$35.75; one hundred forty one-year-olds, \$36.00; one hundred forty two-year-olds, \$36.25; one hundred forty three-year-olds, \$36.50; one hundred forty four-year-olds, \$36.75; one hundred forty five-year-olds, \$37.00; one hundred forty six-year-olds, \$37.25; one hundred forty seven-year-olds, \$37.50; one hundred forty eight-year-olds, \$37.75; one hundred forty nine-year-olds, \$38.00; one hundred fifty-year-olds, \$38.25; one hundred fifty one-year-olds, \$38.50; one hundred fifty two-year-olds, \$38.75; one hundred fifty three-year-olds, \$39.00; one hundred fifty four-year-olds, \$39.25; one hundred fifty five-year-olds, \$39.50; one hundred fifty six-year-olds, \$39.75; one hundred fifty seven-year-olds, \$40.00; one hundred fifty eight-year-olds, \$40.25; one hundred fifty nine-year-olds, \$40.50; one hundred sixty-year-olds, \$40.75; one hundred sixty one-year-olds, \$41.00; one hundred sixty two-year-olds, \$41.25; one hundred sixty three-year-olds, \$41.50; one hundred sixty four-year-olds, \$41.75; one hundred sixty five-year-olds, \$42.00; one hundred sixty six-year-olds, \$42.25; one hundred sixty seven-year-olds, \$42.50; one hundred sixty eight-year-olds, \$42.75; one hundred sixty nine-year-olds, \$43.00; one hundred seventy-year-olds, \$43.25; one hundred seventy one-year-olds, \$43.50; one hundred seventy two-year-olds, \$43.75; one hundred seventy three-year-olds, \$44.00; one hundred seventy four-year-olds, \$44.25; one hundred seventy five-year-olds, \$44.50; one hundred seventy six-year-olds, \$44.75; one hundred seventy seven-year-olds, \$45.00; one hundred seventy eight-year-olds, \$45.25; one hundred seventy nine-year-olds, \$45.50; one hundred eighty-year-olds, \$45.75; one hundred eighty one-year-olds, \$46.00; one hundred eighty two-year-olds, \$46.25; one hundred eighty three-year-olds, \$46.50; one hundred eighty four-year-olds, \$46.75; one hundred eighty five-year-olds, \$47.00; one hundred eighty six-year-olds, \$47.25; one hundred eighty seven-year-olds, \$47.50; one hundred eighty eight-year-olds, \$47.75; one hundred eighty nine-year-olds, \$48.00; one hundred ninety-year-olds, \$48.25; one hundred ninety one-year-olds, \$48.50; one hundred ninety two-year-olds, \$48.75; one hundred ninety three-year-olds, \$49.00; one hundred ninety four-year-olds, \$49.25; one hundred ninety five-year-olds, \$49.50; one hundred ninety six-year-olds, \$49.75; one hundred ninety seven-year-olds, \$50.00; one hundred ninety eight-year-olds, \$50.25; one hundred ninety nine-year-olds, \$50.50; two hundred-year-olds, \$50.75; two hundred one-year-olds, \$51.00; two hundred two-year-olds, \$51.25; two hundred three-year-olds, \$51.50; two hundred four-year-olds, \$51.75; two hundred five-year-olds, \$52.00; two hundred six-year-olds, \$52.25; two hundred seven-year-olds, \$52.50; two hundred eight-year-olds, \$52.75; two hundred nine-year-olds, \$53.00; two hundred ten-year-olds, \$53.25; two hundred eleven-year-olds, \$53.50; two hundred twelve-year-olds, \$53.75; two hundred thirteen-year-olds, \$54.00; two hundred fourteen-year-olds, \$54.25; two hundred fifteen-year-olds, \$54.50; two hundred sixteen-year-olds, \$54.75; two hundred seventeen-year-olds, \$55.00; two hundred eighteen-year-olds, \$55.25; two hundred nineteen-year-olds, \$55.50; two hundred twenty-year-olds, \$55.75; two hundred twenty one-year-olds, \$56.00; two hundred twenty two-year-olds, \$56.25; two hundred twenty three-year-olds, \$56.50; two hundred twenty four-year-olds, \$56.75; two hundred twenty five-year-olds, \$57.00; two hundred twenty six-year-olds, \$57.25; two hundred twenty seven-year-olds, \$57.50; two hundred twenty eight-year-olds, \$57.75; two hundred twenty nine-year-olds, \$58.00; two hundred thirty-year-olds, \$58.25; two hundred thirty one-year-olds, \$58.50; two hundred thirty two-year-olds, \$58.75; two hundred thirty three-year-olds, \$59.00; two hundred thirty four-year-olds, \$59.25; two hundred thirty five-year-olds, \$59.50; two hundred thirty six-year-olds, \$59.75; two hundred thirty seven-year-olds, \$60.00; two hundred thirty eight-year-olds, \$60.25; two hundred thirty nine-year-olds, \$60.50; two hundred forty-year-olds, \$60.75; two hundred forty one-year-olds, \$61.00; two hundred forty two-year-olds, \$61.25; two hundred forty three-year-olds, \$61.50; two hundred forty four-year-olds, \$61.75; two hundred forty five-year-olds, \$62.00; two hundred forty six-year-olds, \$62.25; two hundred forty seven-year-olds, \$62.50; two hundred forty eight-year-olds, \$62.75; two hundred forty nine-year-olds, \$63.00; two hundred fifty-year-olds, \$63.25; two hundred fifty one-year-olds, \$63.50; two hundred fifty two-year-olds, \$63.75; two hundred fifty three-year-olds, \$64.00; two hundred fifty four-year-olds, \$64.25; two hundred fifty five-year-olds, \$64.50; two hundred fifty six-year-olds, \$64.75; two hundred fifty seven-year-olds, \$65.00; two hundred fifty eight-year-olds, \$65.25; two hundred fifty nine-year-olds, \$65.50; two hundred sixty-year-olds, \$65.75; two hundred sixty one-year-olds, \$66.00; two hundred sixty two-year-olds, \$66.25; two hundred sixty three-year-olds, \$66.50; two hundred sixty four-year-olds, \$66.75; two hundred sixty five-year-olds, \$67.00; two hundred sixty six-year-olds, \$67.25; two hundred sixty seven-year-olds, \$67.50; two hundred sixty eight-year-olds, \$67.75; two hundred sixty nine-year-olds, \$68.00; two hundred seventy-year-olds, \$68.25; two hundred seventy one-year-olds, \$68.50; two hundred seventy two-year-olds, \$68.75; two hundred seventy three-year-olds, \$69.00; two hundred seventy four-year-olds, \$69.25; two hundred seventy five-year-olds, \$69.50; two hundred seventy six-year-olds, \$69.75; two hundred seventy seven-year-olds, \$70.00; two hundred seventy eight-year-olds, \$70.25; two hundred seventy nine-year-olds, \$70.50; two hundred eighty-year-olds, \$70.75; two hundred eighty one-year-olds, \$71.00; two hundred eighty two-year-olds, \$71.25; two hundred eighty three-year-olds, \$71.50; two hundred eighty four-year-olds, \$71.75; two hundred eighty five-year-olds, \$72.00; two hundred eighty six-year-olds, \$72.25; two hundred eighty seven-year-olds, \$72.50; two hundred eighty eight-year-olds, \$72.75; two hundred eighty nine-year-olds, \$73.00; two hundred ninety-year-olds, \$73.25; two hundred ninety one-year-olds, \$73.50; two hundred ninety two-year-olds, \$73.75; two hundred ninety three-year-olds, \$74.00; two hundred ninety four-year-olds, \$74.25; two hundred ninety five-year-olds, \$74.50; two hundred ninety six-year-olds, \$74.75; two hundred ninety seven-year-olds, \$75.00; two hundred ninety eight-year-olds, \$75.25; two hundred ninety nine-year-olds, \$75.50; three hundred-year-olds, \$75.75; three hundred one-year-olds, \$76.00; three hundred two-year-olds, \$76.25; three hundred three-year-olds, \$76.50; three hundred four-year-olds, \$76.75; three hundred five-year-olds, \$77.00; three hundred six-year-olds, \$77.25; three hundred seven-year-olds, \$77.50; three hundred eight-year-olds, \$77.75; three hundred nine-year-olds, \$78.00; three hundred ten-year-olds, \$78.25; three hundred eleven-year-olds, \$78.50; three hundred twelve-year-olds, \$78.75; three hundred thirteen-year-olds, \$79.00; three hundred fourteen-year-olds, \$79.25; three hundred fifteen-year-olds, \$79.50; three hundred sixteen-year-olds, \$79.75; three hundred seventeen-year-olds, \$80.00; three hundred eighteen-year-olds, \$80.25; three hundred nineteen-year-olds, \$80.50; three hundred twenty-year-olds, \$80.75; three hundred twenty one-year-olds, \$81.00; three hundred twenty two-year-olds, \$81.25; three hundred twenty three-year-olds, \$81.50; three hundred twenty four-year-olds, \$81.75; three hundred twenty five-year-olds, \$82.00; three hundred twenty six-year-olds, \$82.25; three hundred twenty seven-year-olds, \$82.50; three hundred twenty eight-year-olds, \$82.75; three hundred twenty nine-year-olds, \$83.00; three hundred thirty-year-olds, \$83.25; three hundred thirty one-year-olds, \$83.50; three hundred thirty two-year-olds, \$83.75; three hundred thirty three-year-olds, \$84.00; three hundred thirty four-year-olds, \$84.25; three hundred thirty five-year-olds, \$84.50; three hundred thirty six-year-olds, \$84.75; three hundred thirty seven-year-olds, \$85.00; three hundred thirty eight-year-olds, \$85.25; three hundred thirty nine-year-olds, \$85.50; three hundred forty-year-olds, \$85.75; three hundred forty one-year-olds, \$86.00; three hundred forty two-year-olds, \$86.25; three hundred forty three-year-olds, \$86.50; three hundred forty four-year-olds, \$86.75; three hundred forty five-year-olds, \$87.00; three hundred forty six-year-olds, \$87.25; three hundred forty seven-year-olds, \$87.50; three hundred forty eight-year-olds, \$87.75; three hundred forty nine-year-olds, \$88.00; three hundred fifty-year-olds, \$88.25; three hundred fifty one-year-olds, \$88.50; three hundred fifty two-year-olds, \$88.75; three hundred fifty three-year-olds, \$89.00; three hundred fifty four-year-olds, \$89.25; three hundred fifty five-year-olds, \$89.50; three hundred fifty six-year-olds, \$89.75; three hundred fifty seven-year-olds, \$90.00; three hundred fifty eight-year-olds, \$90.25; three hundred fifty nine-year-olds, \$90.50; three hundred sixty-year-olds, \$90.75; three hundred sixty one-year-olds, \$91.00; three hundred sixty two-year-olds, \$91.25; three hundred sixty three-year-olds, \$91.50; three hundred sixty four-year-olds, \$91.75; three hundred sixty five-year-olds, \$92.00; three hundred sixty six-year-olds, \$92.25; three hundred sixty seven-year-olds, \$92.50; three hundred sixty eight-year-olds, \$92.75; three hundred sixty nine-year-olds, \$93.00; three hundred seventy-year-olds, \$93.25; three hundred seventy one-year-olds, \$93.50; three hundred seventy two-year-olds, \$93.75; three hundred seventy three-year-olds, \$94.00; three hundred seventy four-year-olds, \$94.25; three hundred seventy five-year-olds, \$94.50; three hundred seventy six-year-olds, \$94.75; three hundred seventy seven-year-olds, \$95.00; three hundred seventy eight-year-olds, \$95.25; three hundred seventy nine-year-olds, \$95.50; three hundred eighty-year-olds, \$95.75; three hundred eighty one-year-olds, \$96.00; three hundred eighty two-year-olds, \$96.25; three hundred eighty three-year-olds, \$96.50; three hundred eighty four-year-olds, \$96.75; three hundred eighty five-year-olds, \$97.00; three hundred eighty six-year-olds, \$97.25; three hundred eighty seven-year-olds, \$97.50; three hundred eighty eight-year-olds, \$97.75; three hundred eighty nine-year-olds, \$98.00; three hundred ninety-year-olds, \$98.25; three hundred ninety one-year-olds, \$98.50; three hundred ninety two-year-olds, \$98.75; three hundred ninety three-year-olds, \$99.00; three hundred ninety four-year-olds, \$99.25; three hundred ninety five-year-olds, \$99.50; three hundred ninety six-year-olds, \$99.75; three hundred ninety seven-year-olds, \$100.00; three hundred ninety eight-year-olds, \$100.25; three hundred ninety nine-year-olds, \$100.50; four hundred-year-olds, \$100.75; four hundred one-year-olds, \$101.00; four hundred two-year-olds, \$101.25; four hundred three-year-olds, \$101.50; four hundred four-year-olds, \$101.75; four hundred five-year-olds, \$102.00; four hundred six-year-olds, \$102.25; four hundred seven-year-olds, \$102.50; four hundred eight-year-olds, \$102.75; four hundred nine-year-olds, \$103.00; four hundred ten-year-olds, \$103.25; four hundred eleven-year-olds, \$103.50; four hundred twelve-year-olds, \$103.75; four hundred thirteen-year-olds, \$104.00; four hundred fourteen-year-olds, \$104.25; four hundred fifteen-year-olds, \$104.50; four hundred sixteen-year-olds, \$104.75; four hundred seventeen-year-olds, \$105.00; four hundred eighteen-year-olds, \$105.25; four hundred nineteen-year-olds, \$105.50; four hundred twenty-year-olds, \$105.75; four hundred twenty one-year-olds, \$106.00; four hundred twenty two-year-olds, \$106.25; four hundred twenty three-year-olds, \$106.50; four hundred twenty four-year-olds, \$106.75; four hundred twenty five-year-olds, \$107.00; four hundred twenty six-year-olds, \$107.25; four hundred twenty seven-year-olds, \$107.50; four hundred twenty eight-year-olds, \$107.75; four hundred twenty nine-year-olds, \$108.00; four hundred thirty-year-olds, \$108.25; four hundred thirty one-year-olds, \$108.50; four hundred thirty two-year-olds, \$108.75; four hundred thirty three-year-olds, \$109.00; four hundred thirty four-year-olds, \$109.25; four hundred thirty five-year-olds, \$109.50; four hundred thirty six-year-olds, \$109.75; four hundred thirty seven-year-olds, \$110.00; four hundred thirty eight-year-olds, \$110.25; four hundred thirty nine-year-olds, \$110.50; four hundred forty-year-olds, \$110.75; four hundred forty one-year-olds, \$111.00; four hundred forty two-year-olds, \$111.25; four hundred forty three-year-olds, \$111.50; four hundred forty four-year-olds, \$111.75; four hundred forty five-year-olds, \$112.00; four hundred forty six-year-olds, \$112.25; four hundred forty seven-year-olds, \$112.50; four hundred forty eight-year-olds, \$112.75; four hundred forty nine-year-olds, \$113.00; four hundred fifty-year-olds, \$113.25; four hundred fifty one-year-olds, \$113.50; four hundred fifty two-year-olds, \$113.75; four hundred fifty three-year-olds, \$114.00; four hundred fifty four-year-olds, \$114.25; four hundred fifty five-year-olds, \$114.50; four hundred fifty six-year-olds, \$114.75; four hundred fifty seven-year-olds, \$115.00; four hundred fifty eight-year-olds, \$115.25; four hundred fifty nine-year-olds, \$115.50; four hundred sixty-year-olds, \$115.75; four hundred sixty one-year-olds, \$116.00; four hundred sixty two-year-olds, \$116.25; four hundred sixty three-year-olds, \$116.50; four hundred sixty four-year-olds, \$116.75; four hundred sixty five-year-olds, \$117.00; four hundred sixty six-year-olds, \$117.25; four hundred sixty seven-year-olds, \$117.50; four hundred sixty eight-year-olds, \$117.75; four hundred sixty nine-year-olds, \$118.00; four hundred seventy-year-olds, \$118.25; four hundred seventy one-year-olds, \$118.50; four hundred seventy two-year-olds, \$118.75; four hundred seventy three-year-olds, \$119.00; four hundred seventy four-year-olds, \$119.25; four hundred seventy five-year-olds, \$119.50; four hundred seventy six-year-olds, \$119.75; four hundred seventy seven-year-olds, \$120.00; four hundred seventy eight-year-olds, \$120.25; four hundred seventy nine-year-olds, \$120.50; four hundred eighty-year-olds, \$120.75; four hundred eighty one-year-olds, \$121.00; four hundred eighty two-year-olds, \$121.25; four hundred eighty three-year-olds, \$121.50; four hundred eighty four-year-olds, \$121.75; four hundred eighty five-year-olds, \$122.00; four hundred eighty six-year-olds, \$122.25; four hundred eighty seven-year-olds, \$122.50; four hundred eighty eight-year-olds, \$122.75; four hundred eighty nine-year-olds, \$123.00; four hundred ninety-year-olds, \$123.25; four hundred ninety one-year-olds, \$123.50; four hundred ninety two-year-olds, \$123.75; four hundred ninety three-year-olds, \$124.00; four hundred ninety four-year-olds, \$124.25; four hundred ninety five-year-olds, \$124.50; four hundred ninety six-year-olds, \$124.75; four hundred ninety seven-year-olds, \$125.00; four hundred ninety eight-year-olds, \$125.25; four hundred ninety nine-year-olds, \$125.50; five hundred-year-olds, \$125.75; five hundred one-year-olds, \$126.00; five hundred two-year-olds, \$126.25; five hundred three-year-olds, \$126.50; five hundred four-year-olds, \$126.75; five hundred five-year-olds, \$127.00; five hundred six-year-olds, \$127.25; five hundred seven-year-olds, \$127.50; five hundred eight-year-olds, \$127.75; five hundred nine-year-olds, \$128.00; five hundred ten-year-olds, \$128.25; five hundred eleven-year-olds, \$128.50; five hundred twelve-year-olds, \$128.75; five hundred thirteen-year-olds, \$129.00; five hundred fourteen-year-olds, \$129.25; five hundred fifteen-year-olds, \$129.50; five hundred sixteen-year-olds, \$129.75; five hundred seventeen-year-olds, \$130.00; five hundred eighteen-year-olds, \$130.25; five hundred nineteen-year-olds, \$130.50; five hundred twenty-year-olds, \$130.75; five hundred twenty one-year-olds, \$131.00; five hundred twenty two-year-olds, \$131.25; five hundred twenty three-year-olds, \$131.50; five hundred twenty four-year-olds, \$131.75; five hundred twenty five-year-olds, \$132.00; five hundred twenty six-year-olds, \$132.25; five hundred twenty seven-year-olds, \$132.50; five hundred twenty eight-year-olds, \$132.75; five hundred twenty nine-year-olds, \$133.00; five hundred thirty-year-olds, \$133.25; five hundred thirty one-year-olds, \$133.50; five hundred thirty two-year-olds, \$133.75; five hundred thirty three-year-olds, \$134.00; five hundred thirty four-year-olds, \$134.25; five hundred thirty five-year-olds, \$134.50; five hundred thirty six-year-olds, \$134.75; five hundred thirty seven-year-olds, \$135.00; five hundred thirty eight-year-olds, \$135.25; five hundred thirty nine-year-olds, \$135.50; five hundred forty-year-olds, \$135.75; five hundred forty one-year-olds, \$136.00; five hundred forty two-year-olds, \$136.25; five hundred forty three-year-olds, \$136.50; five hundred forty four-year-olds, \$136.75; five hundred forty five-year-olds, \$137.00; five hundred forty six-year-olds, \$137.25; five hundred forty seven-year-olds, \$137.50; five hundred forty eight-year-olds, \$137.75; five hundred forty nine-year-olds, \$138.00; 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OUR HOMES.

"Look Pleasant."

This familiar admonition of the photographer, so often humorously quoted, might well be taken more seriously than it is, not only in a professional sense, but as a rule for every-day living. Superb grooming, elaborate hairdressing, artistic posing, although contributing materially to the general effect, will not secure a successful portrait. The one thing necessary is expression, and better results may be secured with this alone than with all the others when it is lacking.

In just the same degree do pretty toilettes fall to alarm when the facial expression of the wearer is not in harmony; and how often we are utterly unable to recall the garments or the surroundings of some one whose kindly face and manner so charmed us as to leave an indelible impression upon the memory.

You may pass through the doorway in rank or in file. If your passport from nature is stamped with a smile.

The genial author of the above lines, Dr. Holmes, was himself an exponent of the truism thus stated. Who that ever saw him does not recall his kindly face and the twinkling of his eyes.

To "look pleasant" is not an acquirement. It must be the outward expression of an innate grace. Nothing is more discouraging or disheartening to the acute observer of human nature than the contemplation of a forced, stereotyped smile. To attain the condition of mind and heart where the smile, magnetic smile, appears spontaneously upon the face, one should cultivate assiduously an attitude of unselfishness, an earnest desire to contribute to the happiness of those by whom he is surrounded, and to add something to the sum total of human blessedness. Such a mental and spiritual condition never fails to react favorably upon the possessor. Very many do not find life all that they would wish. It is a question if any escape disappointment and sorrow of some sort. Yet by cheerful acquiescence, and continuous striving for the ideal in life, one may present a smiling face to the world, and gain thereby both outward favor and inward peace.

Nothing is more depressing than a face expressive of habitual discontent and bitterness. A gentleman remarked not long since that he avoided the morning air upon which a certain woman was accustomed to ride, because it is gloominess of her appearance affected his spirits for the entire day. Even the innocent face of a child, when clouded by ill temper, is not attractive, though the same little one in sunnier mood may command our unreserved affection. Whatever one's condition, it is better to cultivate a cheerful spirit. The personality which is not crushed by defeat is the one we most admire. The importance of a pleasant countenance is greater than is generally understood. Without it, beauty of the most classic type falls to permanent charm. With it the plainest face is glorified. Especially in the home is an expression of kindness and serenity of greatest value. Teach the young by precept and example to think the kindly thought and look on the brighter side of people and of conditions, and the lesson once assimilated, there will be no further need of the admonition, "Look pleasant."

ELIZABETH ROBBINS BERRY.

The Workbox.

A WARM SHOULDER CAFE.

The yoke is worked first in ribbed or double crochet, which is, insert needles in back part of stitch, pull yarn through, then through two stitches on each side. This cape is very nice when made of Fitcher's Spanish yarn. A bone hook is used.

Make a chain of 102 stitches. Turn and make 18 double crochets (1 in each stitch), 2 in the 19th stitch, 12 more, and 2 in the 13th stitch, 18 more, and 2 in the 19th stitch, 12 more, and 2 in the 13th stitch, 12 more, and 2 in the 13th stitch, then double crochets to the end. Turn and make up the back part of each stitch, so as to have a ribbed effect, keeping the ribbing directly over each other. Make 18 ribs, or 26 rows. This finishes the yoke. The body is made "star" stitch.

Take up 6 stitches as in plain rib, put yarn over and pull through all the 6 stitches and chain 1. Put the hook through the small hole formed by this chain stitch and raise 1 stitch.

Raise a second stitch by inserting the hook in the back part of the sixth stitch through which the yarn was drawn. Raise the next stitch by putting hook in the same place, with fifth stitch of star on foundation. Next stitch in same place as sixth stitch of same star on foundation and raise the next stitch on the foundation, yarn over and pull through all and chain 1. Count the stitch on the needle always as 1. Raise 1 stitch by putting hook through the hole made by chain. Next stitch on chain 1 and continue to end of row. Make 25 rows of stars. This gives length of cape.

Make space for ribbon at neck by making 2 long crochets, 1 back of the other with 2 chain between. The border all around the cape is made of a chain of five done very loosely and caught back into the second row of stars, then on edge, then back on star and so on around the bottom of the cape. Down the sides it is caught back to the second star. This may also be put around the neck. I will answer questions.

EVA M. NILES.

Overheated Houses.

A vast amount of ill health in this country may be directly traced to overheating our dwelling houses. There are very few people who are correct judges of the proper amount of heat by their feelings. It is not an uncommon thing in this land of the furnace, where a household of moderate means can secure this method of heating, to find entire families living habitually in rooms heated far beyond the limit of safety. It is dangerous to health to live in a house heated to 75° or 80°. Yet these figures are not in excess of the amount to which we often find rooms heated where women and children are living habitually. It is not strange that persons who have become inured to this degree of artificial heat should complain of being chilly if the temperature is at a normal point. There are thousands

of people who habitually sleep with the heat from the furnace turned on, and their sleeping rooms heated even far beyond the temperature of 68°, given at the proper temperature of the sleeping room of an invalid. A person in health ought not to sleep in winter in a room heated to such a point.

The doctrine of fresh air has been widely published and preached, but it is often ignored, nevertheless. It is an uncommon thing for uninformed women to imagine that the air which comes from the real fire of a hot air furnace is sufficient to ventilate a room if it is supplied from a cold air box opening outdoors. Such air, at a point as it is to the various substitutes for it, is not sufficient to keep a wholesome supply of pure air in the house. Every room heated by the furnace should be thoroughly "washed out" with cold fresh air from outdoors at least twice in twenty-four hours, even when the heated air of the furnace comes from a cold air box opening outdoors. Every one knows that the furnace takes more coal in cold weather, and that if the air of the "cold air" box comes outdoors it will burn more coal than when it comes from within the house. Some furnace, therefore, are for economic reasons supplied with the air of the living room upstairs. A more ingenious project for introducing the vitiated, breath-over air of the house repeatedly into the lungs could hardly be conceived. It is even more objectionable than introducing the air of the living room into the sleeping room upstairs.

As a matter of health, the furnace should be started as late as possible in the season. This can be done in houses where there are open fireplaces and other means of supplying a little pure fresh air sufficient to take the chill and dampness of a house, without heating the air to a undue point. In many parts of the country the furnace is not started for the season until after the pleasant days of Indian summer, which come from the first to the second week of November. Once started, the furnace fire must be kept up steadily, and it is seldom safe to let it go out until the middle of April or the first of May. All the best furnace, whether those which supply heat by hot air or by hot water or steam, are now arranged so that the heat may be regulated, and it is a neglect of the simple rules that regulate the heat supply, and not necessity, which causes houses to be overheated so often.—New York Tribune.

When Foultime Comes.

In making a simple lined poultice, says an English nurse, one must have the water boiling and the bowl and knife, or spatula, warmed. Only stir in sufficient meal to make the mixture thick enough to spread without sticking to the knife. Turn in the edges of the poultice all around to keep in the heat, and do not let it be too small for out of proportion in thickness. If all the poultice is in a pann, or put between two plates to carry to the bedside, and apply without delay with a piece of thin rubber cloth a little larger than the poultice next to it, and wadding or flannel outside of all. Fasten securely with a bandage over the part needing the poultice, and when repeating the poultice have the fresh one ready before removing the old one, so as not to chill the patient. When it is removed, wash the part with warm water, and dry with hot flannel or wadding before putting on the fresh poultice.

For a mustard poultice blend the desired quantity of mustard (usually one in flour of linseed) in the water, before stirring in the linseed meal, and proceed as before. For a charcoal poultice, mix the charcoal (one part) with three of linseed with the meal first, then stir into the boiling water, proceeding as before.

In making a jacket poultice two large pieces of linen should be shaped out, one for the chest and one for the back and sides. After the poultices are applied, the edges are secured over the shoulders and under the arms with pins, so as to form a jacket. The simplest way of securing a jacket is by a binder, made of a broad strip of flannel or flannellet to go around the body, with two straps sewed on behind on its upper edge, passing over the shoulders and pinning in front. When a patient cannot sit up, he should be turned on one side, the back poultice should be applied, the binder with one end rolled being placed in position. The patient should then be turned on his back, lying on the poultice, while the rolled end of the binder is drawn around the chest poultice and secured with safety pins.

What Lamps are Best.

This question is answered incidentally by Dr. Stevenson Macadam, a lecturer in chemistry at the Edinburgh College of Surgeons, in a recent pamphlet. Says The Hospital, referring to his conclusions: "Contrary, as it might seem, to expectation, Dr. Macadam prefers one with a glass globe, in which the flame is seen, to the oil lamp. He objects to lamps which have any special opening for the purpose of filling. He protests, too, against the use of the popular standard lamps. Many of the fountains in these lamps become very highly heated from imperfectly aired burners, and the patient is liable to be placed above them, and which are often heavily ornamented with colored glass or tissue paper of the finest and most inflammable nature. With any oil, but more especially with the low-flash oils, these standard lamps are most dangerous, not only from the possibility of explosion within the lamp font, but from the facility with which such a lamp may be upset by the patient or by an article falling against it. . . . These standard lamps are most unsafe in houses, and should only be tolerated when the base of each is sufficiently weighted or is securely bolted to the floor or wall, and when the top-heavy combustible shade is discarded. The standard lamp is so precious to the soul of the woman, the aesthetic house mistress, and the shade to the baner woman, that we fear it may be difficult to get rid of them. But it is well to recognize the dangers attendant on their use, so that, even if they are not totally abolished, they may be guarded with the utmost care. After all, they are not much of a success as illuminating agents. Would it not be quite as satisfactory to keep them purely for ornament with no oil in the fountains, and never try to light them?"

Sugar with Onions.

Onions are regarded by food authorities as one of the most valuable vegetables that we have, and are unfortunately also found by many persons difficult to digest. A suggestion that has been tested, and given by, long experience, and tried by many persons, always with success, is to add a little sugar to the onion salad to prevent any discomfort after eating it. Any thing which will encourage the consumption of onions is to be recommended. Physicians say that they are wonderful rejuvenators, and possess as well remarkable healing powers. The raw Bermuda onion is the variety that is most palatable and the most efficient, and if, with a little sugar, it is also easily assimilated, the knowledge



becomes valuable.—New York Even in Post.

Domestic Hints.

FRUIT PIE. Line a deep granite plate with paste, put a rim on the edge, fill with sliced peaches, mixing in sugar and a dash of salt with each layer, also grated lemon peel or rind and butter if you like. Roll up crust, cut off rim, put it on the wheel, then cut this rim and lay upper crust on. Press lightly round the edge, prick in the middle and bake slowly thirty minutes.

APPLE PIE WITH MAPLE SYRUP SAUCE. Half fill a deep dish with four apples which have been pared, cored and sliced. Pour over them a little boiling water and place in a hot oven until tender. Make a crust as for fruit pie, roll out on a hot sheet, lay it over the apples and return to the oven for about ten minutes or until the crust is done. For the sauce cook together two tablespoons of butter and one tablespoon of flour, add half a cupful of maple syrup and a tiny pinch of salt and cook until clear and smooth.

CHICKEN SOUP WITH BROWN SAUCE. Into a saucepan put one tablespoonful of butter, one tablespoonful of flour, one-third of a teaspoonful of salt and one-fourth of a teaspoonful of paprika. Cook and stir until brown; add slowly one cupful of rich brown stock, stirring constantly. Sprinkle with salt and pepper and serve in two minutes in two tables; contain a pinch of salt. Add the sauce, simmer for five minutes; add one tablespoonful of grated Gruyere cheese and one tablespoonful of Madeira and serve on toast.

CHAMPAGNE JELLY. Wash the apples, remove the blossom end, and cut in small pieces, but do not pare, or core; for the skins and seeds improve the color and quality of the jelly. Cover with cold water, and cook until soft. Keep them covered, and turn the kettle often, but do not stir or mash the apples. When the apples are very soft, and the liquid is red, turn them into a strainer cloth, and hang it up to drip all night. In the morning roll the liquid ten minutes, then strain again through a very fine cloth, and measure it. Allow half a pound of sugar to a pint of juice. Boil the juice alone until it begins to thicken on the edge of the pan, then add the sugar, and cook five minutes longer, or until it jellies, then strain, and turn into glasses.

CHEESE AND CELERY SANDWICH. Mince the tenderest, crispest of celery stalks fine and chill on the ice. Add the same amount of grated cheese and enough whipped cream to make the mixture spreadable. Just before using spread on dainty, crustless squares and triangles of thin bread, white or brown.

EGG CUTLETS. The eggs may be hard boiled the night before. Boil one pint of milk, rub to a paste two tablespoons of butter and one tablespoonful of flour. Stir slowly, pouring in the milk until it thickens. Cook covered several minutes, then season with one teaspoonful of salt, half teaspoonful of paprika, dash of cayenne, one tea-spoonful onion juice and a pinch of macaroni. Take from the fire and add six hard-boiled eggs coarsely chopped and one half-cupful of chopped parsley. Spread out on a buttered dish or cloth. Dust the bread lightly with flour and shape the mixture into cutlets. Just before using being careful to pat them out until of an even thickness, use as little flour as possible or the creamy consistency will be lost. When shaped dip each cutlet in beaten egg, then in fine bread crumbs and immerse in smoking-hot oil until golden brown. Drain on unglazed paper and serve.

Hints to Housekeepers.

The newest method of marking handkerchiefs and linens is daily and artistic enough to be brilliant in a short time. Instead of the initial or monogram, the owner's favorite flower is embroidered in one corner of the monochlor or tabicloth, or engraved on the stationary. An eminent physician claims that many vegetables supply the iron that is the basis of red tones in a much more effective form. Spinach, apples, lentils, beans, peas, strawberries, potatoes, beets and currants, all contain the mineral without the admixture that makes so many vegetables harmful. Stewed black currants eaten daily through their season will cure anemia, and potatoes are a specific for scurvy.

Heavy linen lace is most attractive for edging table linen. In table squares and tablecloths there is a simple hand-stitched line of drawn work at the center and an edge of the lace brooch. Dollies for placemats come oval, edged with the lace, and elaborate center pieces are either lay, with a small center of fine plain linen, the lace cutting in to it in fanciful designs. The elaborate draw-work designs show elaborate floral patterns in colors of silk.

Feathers can be cleaned by dipping in soap suds. If they are dirty rub very gently with the fingers. Rinse in clean water, and shake before drying. Shake gently in the steam from the boiling teakettle. If you have chiffon that has lost its freshness, mix a little melted soap in lukewarm water, pour this in a wide-mouthed bottle or jar, and place the soiled chiffon in it. Cover the mouth of the bottle with a clean cloth or cloth, and shake well. Remove the chiffon, and if not thoroughly cleaned repeat the process in fresh soap suds. Rinse in clean water and dry with gum arabic. It is in a clean cloth, and iron when slightly dry.

It is not yet too late for dishes made of sweet corn. This vegetable seems especially tender and succulent in the autumn. A Washington woman, who makes a specialty of corn system, uses for them one pint of grated corn to which is added three tables of milk, a small tea-spoon of flour, a beaten egg, better the size of a clove, a tea-spoonful of salt, and half a tea-spoonful of pepper. The batter is dropped in spoonfuls in deep boiling fat, and fried quickly until of a rich brown color.

A delicious hot gingerbread was served at a house luncheon the other day. It was fresh from the oven, spicy and tender, and being broken, it proved to be full of almonds. They had been split into halves so as not to be heavy enough to sink to the bottom of the dough during the cooking process. The combination of flavors is to be recommended.

Towels used for chair coverings, because of their utility, to replace fancy coverings which do not launder well, become in time so elaborately soiled that they are only a shade less ornamental than the original gum arabic. These large lace towels have silk-embroidered ends and long knotted fringe. They have grown somewhat away from the usefulness of their first estate.

In putting away rubber gloves, rubber sponge and rubber mops, wrap in a liberal supply of talcum, or even ordinary toilet powder, which is applied to them on all sides, and they should be placed carefully in boxes without rolling. When they are needed for use again they will not be found adhering in different places in ways that make pulling apart dangerous, if not entirely disastrous.

The Fashion. "It is remarkable how many uses silk is put to nowadays. It is made up into shirt waists, skirt linings, petticoats, men's shirts, shirt bosoms, parasols, neckwear, underclothing, sun-bonnets, belts, and even into outside coats and trousers. The demand for silk is ever increasing. Silk will be a new second-hand value for this fall. Its chances in the race for popularity are good, as it is a material suitable for many occasions where velvet would prove most conspicuous.

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THE HORSE.

Brookton Fair.

Although they had one day of bad weather, the management of Brookton Fair placed another exceedingly successful meeting to their credit. On Thursday, the big day, the management estimated the attendance at over 4,000, the receipts for tickets alone amounted to \$18,545.72, or just \$750.25 more than on the previous biggest day on record. This show is a success in a manner almost perfect in every detail. The entertainment is always the best that money can provide, and it is varied that every one finds something to please them. The only trouble is that, like a three-ring circus, there is so much going on it is almost impossible to confine one's attention upon any one feature, and one is sure to go away with the idea that he has missed much that he wanted to see.

The Open Air Horse Show, which took so well last year, was even better this season. The entry list was large, and of superior quality. This is one of the greatest attractions of the fair, and other places would do well to copy this feature.

The Readville trainer, Bob Proctor, had decidedly the best thing in the 250 class for trotters, the first event on the opening day's programme. The mare has shown her ability to trot in 2:15 over mile rings, and she has three heats in 2:27, 2:27, and 2:30 were easy for her.

The Lockport Farm pacer Gurgie's Boy, by Edgemark, out of Old Gurgie (2:20), was the favorite in the 235 class for pacers, and got a standard mark by stepping in 2:14 in the first heat. After that he became somewhat untidy, and Maud C. Wilkes, a daughter of the dead stallion Bayard Wilkes (2:12), won handsily in straight heats.

The 221 class for trotters was a gift to Millard Sanders, a bay gelding, by Alteo (2:14), who has raced successfully over Pennsylvania and New York tracks this season. Trainer Alteo Merri-d's gelding, however, to take a new mark of 2:14 in order to beat Rosier, driven by Jimmy Carpenter.

It is not more exciting racing could not be desired than that which occurred the second day. The 221 class for pacers had 17 paid-up entries, and the management divided it, giving the horsemen an extra \$500 to race for.

In the first division, the Ralph Wilkes mare Helen started off glibly, stepping to a new record in the first heat, and the first she won in 2:12. The bay gelding Earl Ruttle took a lead in the game the third heat, and had little trouble beating the little mare for the next three heats.

The second division went off in straight heats, the winner turning up in the bay gelding Domino, by James Madison. The principal attraction of the afternoon was the free-for-all pace, in which Prince Alert, Rubinstein (2:05) and Chelalis (2:04) competed.

Johnson took things easy with Rubinstein in the first two heats, leaving O'Neill to force out the champion half-miler. It was no use, however. Ben Walker had the alert horse on his good behavior, and though he stepped the three fastest heats ever paced in a race over a half-mile track. It looked as though the reformed bad actor could have gone even faster.

Rubinstein made Prince Alert go a merry canter and half in the third heat, but when the latter finished in 2:02, the Baron Wilkes stallion was several lengths back.

The three heats were in 2:07, 2:03, 2:02, and constitute a new world's record for the Brookton track. Ben Walker has always got along well with the erratic gelding, having very little trouble in getting him away, and it will take a great pace to defeat him in his present shape. It was a great day for Brookton. Mr. James Hanley, owner of Prince Alert, and for driver Ben Walker.

The 214 trot was a fighting race from start to finish. The Canadian gelding St. George won the first two heats in fast time, but was outflashed in the third by the black gelding Nigger Jack. Then Little O. O. placed two heats to his credit. James made a hard fight for it with St. George, but Pope and Arthur made him go long miles. The race was postponed at the end of the fifth heat.

When the racing was begun on Friday Nigger Jack stepped away with the deciding heats of the postponed 214 trot. He had only two horses to compete with and won both heats handily. Three heats were stepped off in the 225 trot. The Nun won the first and the bay mare Maud C. Wilkes the second.

Jere O'Neill won the only heat decided in the 221 pace with the Poem gelding Lexington. By this time race made the track unsafe and the balance of the card was postponed to 9 A. M. Saturday, when the weather again proved pleasant. Both of the postponed races were badly split up. It took six heats to decide the 221 pace, the race finally going to the Sorlet Wilkes gelding The Duke.

Mer, winner of the 225 trot, is a bay mare by Picket, and she had been raced by George Draper the past few seasons. The free-for-all trot was easy for Alchida, the little mare fighting to the front at once, maintaining a safe lead all stages. The double team race was rather disappointing from a racing standpoint, as the Johnson pair, Gagnant and Mercury Wilkes, had nothing all their own way. J. Middleby Jr.'s pair, Hal Almont and Little Girl would not stick to their gait and Johnson had little trouble in beating Bonnie and Susie Sar. They stepped the final heat in 2:17, a very creditable mile. The racing was good throughout the week, and horsemen have nothing but praise for the treatment accorded them by the management.

SUMMARIES.
Brookton, Mass., Oct. 6, 1899—2:31 trot. First division: 1. Maud C. Wilkes (Proctor) 2:31.1; 2. Helen (Proctor) 2:31.2; 3. Gurgie's Boy (Proctor) 2:31.3; 4. Maud C. Wilkes (Proctor) 2:31.4; 5. Helen (Proctor) 2:31.5; 6. Gurgie's Boy (Proctor) 2:31.6; 7. Maud C. Wilkes (Proctor) 2:31.7; 8. Helen (Proctor) 2:31.8; 9. Gurgie's Boy (Proctor) 2:31.9; 10. Maud C. Wilkes (Proctor) 2:31.10; 11. Helen (Proctor) 2:31.11; 12. Gurgie's Boy (Proctor) 2:31.12; 13. Maud C. Wilkes (Proctor) 2:31.13; 14. Helen (Proctor) 2:31.14; 15. Gurgie's Boy (Proctor) 2:31.15; 16. Maud C. Wilkes (Proctor) 2:31.16; 17. Helen (Proctor) 2:31.17; 18. Gurgie's Boy (Proctor) 2:31.18; 19. Maud C. Wilkes (Proctor) 2:31.19; 20. Helen (Proctor) 2:31.20; 21. Gurgie's Boy (Proctor) 2:31.21; 22. Maud C. Wilkes (Proctor) 2:31.22; 23. Helen (Proctor) 2:31.23; 24. Gurgie's Boy (Proctor) 2:31.24; 25. Maud C. Wilkes (Proctor) 2:31.25; 26. Helen (Proctor) 2:31.26; 27. Gurgie's Boy (Proctor) 2:31.27; 28. Maud C. Wilkes (Proctor) 2:31.28; 29. Helen (Proctor) 2:31.29; 30. Gurgie's Boy (Proctor) 2:31.30; 31. Maud C. Wilkes (Proctor) 2:31.31; 32. Helen (Proctor) 2:31.32; 33. Gurgie's Boy (Proctor) 2:31.33; 34. Maud C. Wilkes (Proctor) 2:31.34; 35. Helen (Proctor) 2:31.35; 36. Gurgie's Boy (Proctor) 2:31.36; 37. Maud C. Wilkes (Proctor) 2:31.37; 38. Helen (Proctor) 2:31.38; 39. Gurgie's Boy (Proctor) 2:31.39; 40. Maud C. Wilkes (Proctor) 2:31.40; 41. Helen (Proctor) 2:31.41; 42. Gurgie's Boy (Proctor) 2:31.42; 43. Maud C. Wilkes (Proctor) 2:31.43; 44. Helen (Proctor) 2:31.44; 45. Gurgie's Boy (Proctor) 2:31.45; 46. Maud C. Wilkes (Proctor) 2:31.46; 47. Helen (Proctor) 2:31.47; 48. Gurgie's Boy (Proctor) 2:31.48; 49. Maud C. Wilkes (Proctor) 2:31.49; 50. Helen (Proctor) 2:31.50; 51. Gurgie's Boy (Proctor) 2:31.51; 52. Maud C. Wilkes (Proctor) 2:31.52; 53. Helen (Proctor) 2:31.53; 54. Gurgie's Boy (Proctor) 2:31.54; 55. Maud C. Wilkes (Proctor) 2:31.55; 56. Helen (Proctor) 2:31.56; 57. 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